

Claims

What is claimed is:

1. A helmet with built-in antenna, comprising:

One or a plurality of integrated-circuit antennas built into the layer of material on top

5 portion of said helmet, and

Metal strands connecting said antennas through the layer of said helmet so that

signals received from said antennas can be transmitted to a separate electronic
means by wires.

2. The helmet of claim 1, wherein said electronic means is a GPS SoC system.

10 3. The helmet of claim 2, wherein the inside surface of said helmet contains a depressed
area defining a slot for receiving a GPS SoC sized to fit the slot.

4. The helmet of claim 3, wherein said GPS SoC can optionally be carried or mounted
on the body of the person wearing said helmet, and connected to said antennas by a
length of wires to said metal strands at the inside surface of said helmet.

15 5. The helmet of claim 3 or 4, further comprising a LCD display panel so shaped to
conform to the inside curvature of said helmet, and rotatably mounted to the inside
surface of said helmet to display positioning information sent from said positioning
means, so that said LCD could be rotated down for use and rotated up to avoid
blocking user's view when not in use.

20 6. The helmet of claim 3 or 4, further comprising a LCD display panel so shaped to
conform to the inside curvature of said helmet, and slidably mounted to the inside
surface of said helmet to display positioning information sent from said positioning

means, so that said LCD could be slid down for use and slid up to avoid blocking user's view when not in use.

7. The helmet of claim 1, wherein said separate electronic means is a cell phone SoC mounted to a slot on the inside surface of said helmet, with ear-piece so positioned as to be close to wearer's ear, and a mouth-piece rotatably mounted to enable rotating up and down for ease of use.

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